

Title (en)
DATA ANALYSIS SYSTEM AND METHOD

Title (de)
VERFAHREN UND SYSTEM ZUR DATENANALYSE

Title (fr)
SYSTEME ET PROCEDE D'ANALYSE DE DONNEES

Publication
EP 1609033 B1 20121010 (EN)

Application
EP 04720073 A 20040312

Priority
• GB 2004001070 W 20040312
• GB 0307406 A 20030331

Abstract (en)
[origin: WO2004088443A1] Methods and systems for analysing data from a monitoring system for monitoring characteristics of a dynamic system, said monitoring system providing characteristic data in respect of a dynamic system with at least one known normal state, the analysis system comprising: means (100) for receiving characteristic data from the monitoring system, means (101) for receiving confirmation information from an operator when the dynamic system is in a known normal state, normality modelling means (105) for deriving a normality model comprising data indicative of known normal states in response to received characteristic data and confirmation information, prediction generating means (105) for predicting future characteristic data from the normality model, difference function providing means (105) for providing a difference function indicating an acceptable difference between predicted and received characteristic data, and comparison means (105) for comparing predicted characteristic data with received characteristic data in conjunction with the difference function and producing an abnormality signal if the difference exceeds the difference function.

IPC 8 full level
G05B 17/02 (2006.01); **G05B 23/02** (2006.01)

CPC (source: EP US)
G05B 17/02 (2013.01 - EP US); **G05B 23/0254** (2013.01 - EP US); **Y10S 706/90** (2013.01 - US)

Cited by
WO2016163907A1; WO2019118585A1; WO2022055973A1; US8484150B2; US11727091B2; EP3489780B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004088443 A1 20041014; AU 2004226618 A1 20041014; AU 2004226618 B2 20090115; CA 2517121 A1 20041014; CN 100465842 C 20090304; CN 1768311 A 20060503; EP 1609033 A1 20051228; EP 1609033 B1 20121010; GB 0307406 D0 20030507; JP 2006522396 A 20060928; US 2006195201 A1 20060831; US 7289857 B2 20071030

DOCDB simple family (application)
GB 2004001070 W 20040312; AU 2004226618 A 20040312; CA 2517121 A 20040312; CN 200480008990 A 20040312; EP 04720073 A 20040312; GB 0307406 A 20030331; JP 2006505958 A 20040312; US 55079105 A 20050922